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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/542,157	10/10/2005	Peter Jacobsson	0110-053	1454	
POTOMAC PA P. O. BOX 270			<u> </u>	EXAMINER MOTTOLA, STEVEN J	
FREDERICKS	BURG, VA 22404	ÿ t	ART UNIT	PAPER NUMBER	
			2817		
	· ·		MAIL DATE	DELIVERY MODE	
			05/07/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

•	Application No.	Applicant(s)	
	10/542,157	0/542,157 JACOBSSON ET AL.	
Office Action Summary	Examiner	Art Unit	
	Steven J. Mottola	2817	
The MAILING DATE of this communication Period for Reply	on appears on the cover sheet w	ith the correspondence address	
A SHORTENED STATUTORY PERIOD FOR F WHICHEVER IS LONGER, FROM THE MAILII - Extensions of time may be available under the provisions of 37 of after SIX (6) MONTHS from the mailing date of this communicat - If NO period for reply is specified above, the maximum statutory - Failure to reply within the set or extended period for reply will, by Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	NG DATE OF THIS COMMUN CFR 1.136(a). In no event, however, may a ion. period will apply and will expire SIX (6) MO y statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication BANDONED (35 U.S.C. § 133).	
Status			
 1) Responsive to communication(s) filed on 2a) This action is FINAL. 2b) 3) Since this application is in condition for a closed in accordance with the practice un 	This action is non-final. Ilowance except for formal ma		s
Disposition of Claims			
4) ⊠ Claim(s) 1-17 is/are pending in the application 4a) Of the above claim(s) is/are with 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1.5,10 and 15-17 is/are rejected 7) ⊠ Claim(s) 2-4,6-9 and 11-14 is/are objected 8) □ Claim(s) are subject to restriction	ithdrawn from consideration. d. ed to.		
Application Papers			
9) The specification is objected to by the Ex 10) The drawing(s) filed on 11 July 2005 is/an Applicant may not request that any objection Replacement drawing sheet(s) including the	re: a) \square accepted or b) \square objet to the drawing(s) be held in abeyon correction is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121	(d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority doct 2. Certified copies of the priority doct 3. Copies of the certified copies of the application from the International I	uments have been received. uments have been received in e priority documents have bee Bureau (PCT Rule 17.2(a)).	Application No n received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No.	Summary (PTO-413) o(s)/Mail Date Informal Patent Application 	

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

· A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1,5 & 15-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Matsuoka.

Refer to fig. 1 of Matsuoka. Treating claim 1 first, an amplifier 106 is predistorted in accordance with compensation coefficients stored in a look up table 103 having the form of complex vectors (thus there will be a phase value associated with each coefficient) by a distortion compensation 104 that may be read as the offset adding means claimed as it will phase (and amplitude) shift the input signal in accordance with the reading unit 102, connected to both the distortion compensation 104 and look up table 103, and which may be read as the controller claimed as it will read a value from the look up table 103 and output it to the compensation 104. See col. 2, lines 32-52 of Matsuoka. Regarding claim 5, Matsuoka identify compensation 104 as computing complex products and it may therefore be read as a complex multiplier as claimed; see lines 2-6 of col. 3 of Matsuoka. Regarding claims 15-17 the circuit of Matsuoka may be a part of a mobile communication apparatus; see col. 8, lines 26-45.

Claim 10 is rejected under 35 U.S.C. 102(e) as being anticipated by Tetsuya.

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Refer to fig. 1 of Tetsuya. An amplifier means (within transmitter 10) is predistorted by predistortion linearizer 9 and includes a data storage ROM 16 that may be read as the storage means or look up table claimed. A complex (thus including phase, note two arrows from the ROM to the linearizer having I and Q components) value is retrieved from the storage ROM 16 by address generator 14 in accordance with the power calulating portion 12, which would inherently reflect any change in gain of the

Claims 2-4,6-9 & 11-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

amplifier. The compensation data is read out to the predistortion linearizer and the

phase (and amplitude) offset accordingly; see col. 7, lines 31-50 of Tetsuya.

Matsuoka does not disclose that a retrieved phase value corresponds to a given gain as recited in claim 2, or to a change in gain from one level to another as in claims 3 and 6. Matsuoka also lacks the temperature sensing means and frequency indicator of claims 8 and 9 respectively in the context claimed. Tetsuya does not disclose receiving a new gain value and retrieving an associated phase value as in claim 11 or that the phase value that corresponds to a basic gain level is zero of claim 12 or retrieving a temperature dependent phase value as in claim 13 or a frequency dependent phase value as in claim 14.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven J. Mottola whose telephone number is 571-272-1766. The examiner can normally be reached on M-Th & some F from 8 to 5.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J. Pascal, can be reached on 571-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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